Title (en)

Buffer controller in a camera-flash-DVD for recording data in the flash memory as for-DVD pre-formatted data.

Title (de)

Puffersteuerung in einer Kamera-flash-DVD zur Aufzeichnung von als für-DVD vor-formattierten Daten in dem Flash Speicher.

Title (fr)

Contrôleur de tampon dans une camera-flash-DVD pour enregistrer des données dans la mémoire flash, préformattées au format DVD.

Publication

EP 1739677 A2 20070103 (EN)

Application

EP 06253322 A 20060626

Priority

JP 2005194263 A 20050701

Abstract (en)

The invention relates to auxiliary recording devices integral with a camera such as flash memory, optical disk and to the multiple file systems required. It executes transfer processes from a flash memory or rewritable non volatile memory to an optical disc such as DVD. A control apparatus includes a UDF file system section tht configures the flash memory and an application format section that converts video and audio data into a file group conforming to the DVD application format and manages it on the UDF files system. When copying the data recorded in the flash memory to a DVD, a management section converts the logical addresses of the flash memory into the logical addresses of the DVD. A DVD buffer control section converts the data recorded in an array of 64 Kbytes, recording unit of the flash memory, into an array of 32 Kbytes, recording unit of the DVD, and transfers them to DVD drive.

IPC 8 full level

H04N 5/77 (2006.01); **G11B 20/10** (2006.01); **G11B 27/10** (2006.01); G06F 12/02 (2006.01); G06F 17/30 (2006.01); G11B 27/00 (2006.01); G11B 27/30 (2006.01); H04N 1/21 (2006.01)

CPC (source: EP KR US)

G06F 3/06 (2013.01 - KR); **G06F 12/0246** (2013.01 - EP US); **G11B 20/10527** (2013.01 - EP US); **G11B 27/102** (2013.01 - EP US); **G11B 27/3027** (2013.01 - EP US); **H04N 1/2166** (2013.01 - EP US); **H04N 5/772** (2013.01 - EP US); G06F 2212/7203 (2013.01 - EP US); G11B 2020/10675 (2013.01 - EP US); G11B 2220/17 (2013.01 - EP US); G11B 2220/2562 (2013.01 - EP US); H04N 5/765 (2013.01 - EP US); H04N 5/85 (2013.01 - EP US); H04N 5/907 (2013.01 - EP US); H04N 9/7921 (2013.01 - EP US); H04N 9/8042 (2013.01 - EP US); H04N 9/8063 (2013.01 - EP US); H04N 9/8205 (2013.01 - EP US); H04N 2101/00 (2013.01 - EP US); H04N 2201/216 (2013.01 - EP US)

Citation (applicant)
- US 2003026186 A1 20030206 - ANDO HIDEO [JP], et al
- US 6020982 A 20000201 - YAMAUCHI AKIRA [JP], et al
- WO 2005041207 A2 20050506 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al
- US 2003142273 A1 20030731 - TOGASHI YUUICHI [JP], et al
- US 2004096200 A1 20040520 - CHEN CHIH-YI [TW], et al
- KIM, H-J ET AL.: "A New Flash Memory Management for Flash Storage System", PROCEEDINGS OF THE 23RD ANNUAL INTERNATIONAL COMPUTER SOFTWARE AND APPLICATIONS CONFERENCE, 27 October 1999 (1999-10-27), pages 284 - 289

Cited by

EP2079013A1

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